



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Johnson et al.

Serial No.: 09/736,135

Filed: 12/15/2000

For: Color Imaging System and
Methods

§
§
§
§
§
§

Group Art No.: 2851

Examiner: W. Dowling

Atty. Docket No.: 95121961.114002

#16
4-8-03
JPR

Commissioner for Patents
Box RCE
Washington, D.C. 20231

RECEIVED
APR - 7 2003
TC 2800 MAIL ROOM

**INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. § 1.97**

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant(s) hereby notify the U.S. Patent and Trademark Office of the document(s) which is/are listed on the attached Form PTO-SB/08A.

References listed on the SB/08A (Exhibit A, pages 1-4) were previously submitted in U.S. Patent Application S/N 09/190,273, now U.S. Patent No. 6,252,638.

Reference listed on the SB/08A (Exhibit B, page 1) was previously submitted in U.S. Patent Application S/N 09/126,330, now U.S. Patent No. 5,416,515.

References listed on the SB/08A (Exhibit C, pages 1-4) were previously submitted in U.S. Patent Application S/N 08/853,468, now U.S. Patent No. 5,990,996.

References listed on the SB/08A (Exhibit D, pages 1-3) were previously submitted in U.S. Patent Application S/N 08/645,580, now U.S. Patent No. 5,822,021.

References listed on the SB/08A (Exhibit E, pages 1-3) were previously submitted in U.S. Patent Application S/N 08/447,522, now U.S. Patent No. 5,751,384.

References listed on the SB/08A (Exhibit F, page 1-2) were previously submitted in U.S. Patent Application S/N 09/311,587, now U.S. Patent No. 6,183,091.

References listed on the SB/08A (Exhibit G, pages 1-4) were previously submitted in U.S. Patent Application S/N 09/736,135, now published US-2001-000097-A1.

References listed on the SB/08A (Exhibit H, page 1-2) were previously submitted in U.S. Patent Application S/N 08/901,837, now U.S. Patent No. 6,046,786.

☒ (1) This IDS does NOT require a fee or 37 C.F.R. § 1.97(e) statement because it is being filed (check all that apply):

☐ (a) Within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d); **OR**

☐ (b) Within three months of the date of entry of the national stage as set forth in § 1.491 in an international application; **OR**

☐ (c) Before the mailing of a first Office action on the merits; **OR**

☒ (d) Before the mailing of a first Office action after the filing of a request for continued examination under § 1.114.

☐ (2) This information disclosure statement is filed before the mailing date of a final action under § 1.113, a notice of allowance under § 1.311, or an action that otherwise closes prosecution in the application, and (check only one):

☐ (a) Is accompanied by the fee set forth in § 1.17(p); **OR**

☐ (b) Each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement; **OR**

☐ (c) No item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of the information disclosure statement.

☐ (3) This Information disclosure statement is filed on or before payment of the issue fee and is accompanied by the fee set forth in § 1.17(p); **AND** (check only one):

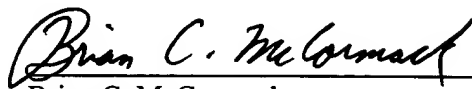
☐ (a) Each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement; **OR**

☐ (b) No item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of the information disclosure statement.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant(s) does/do not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application. Please charge any necessary fee or credit any overpayment in connection

with this Information Disclosure Statement to Deposit Account No. 13-0480 (please reference 95121961.114002).

Respectfully submitted,



Brian C. McCormack
Reg. No. 36,601

April 2, 2003
BAKER & McKENZIE
2001 Ross Avenue, Suite 2300
Dallas, TX 75201
(214) 978-3007 (telephone)
(214) 978-3099 (facsimile)

Exhibit C
Page 1



Exhibit C
Page 2

PTO/SB/08B (02-03)
Approved for use through 04/30/2003. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known			
		Applicant Number	09/736,135		
		Filing Date	12/15/2000		
		First Named Inventor	Johnson		
		Art Unit	2851		
		Examiner Name	Dowling		
Sheet		of		Attorney Docket Number	95121961.114002

OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Scheffer, T.J., "New multicolor liquid crystal displays that use a twisted nematic electro-optical cell," J., Appl. Phys. (1973) 44(11):4799-4803.	
		Carlsen, W.J. and Buhrer, C.F., "Flat Passband Birefringent Wavelength-Division Multiplexers," Electronics Letters (1987) 23(3):106-107.	
		Wright, H., et al., "Active filters enable color imaging," Laser Focus World (May 1996) 85-90.	
		Cambridge Research & Instrumentation, Inc., "Liquid Crystal Tunable Filter," Cambridge, MA, 2 pages.	
		Displaytech, Inc. (Jan., 1996), "Switchable Color Filter", Boulder, CO, 4 pages.	
		Title, A.M. and Rosenberg, W.J., "Tunable birefringent filters," Opt. Eng., (1981) 20(6):815-823.	
		Solc, Ivan, "Birefringent Chain Filters," J. Opt. Soc. Am. (1965) 55(6):621-625.	
		Wu, Shin-Tson, "Birefringence dispersions of liquid crystals," Physical Review A, (1986) 33(2):1270-1274.	
		Harris, S.E., et.al., "Optical Network Synthesis Using Birefringent Crystals, I. Synthesis of Lossless Networks of Equal-Length Crystals," J. Opt. Soc. America (1964) 54(10):1267-1279.	
		Amman, E.O., "Optical Network Synthesis Using Birefringent Crystals, III., Some General Properties of Lossless Birefringent Networks," J. Opt. Soc. America (1966) 56(7):943-951.	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



Exhibit C
Page 3

PTO/SB/08B (02-03)
Approved for use through 04/30/2003. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known			
		Applicant Number	09/736,135		
		Filing Date	12/15/2000		
		First Named Inventor	Johnson		
		Art Unit	2851		
		Examiner Name	Dowling		
Sheet		of		Attorney Docket Number	95121961.114002

OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Amman, E.O. and Yarborough, J.M., "Optical Network Synthesis Using Birefringent Crystals V. Synthesis of Lossless Networks Containing Equal-Length Crystals and Compensators," J. Opt. Soc. America (1966) 56(12):1746-1754.	
		Sharp, G.D., et.al., "P-60: Color Switching Using Ferroelectric Liquid Crystals," Society for Information Display, International Symposium, Digest of Technical Papers, vol. XXIV, Seattle, Washington, May 18-20, 1993.	
		Kondo, et.al., "Ferroelectric Liquid Crystal Materials Applied to Guest-Host Type Displays," Ferroelectrics (1988) 85:361-373.	
		Billings, B.H., "A Tunable Narrow-Band Optical Filter," J. Opt. Soc. America (1947) 37:738-746.	
		John Wiley & Sons, "Optical Waves In Layered Media," Pochi Yeh, A. Wiley-Interscience Publication (1988).	
		Pezzaniti, J.L. and Chipman, R.A., "Phase-only modulation of a twisted nematic liquid crystal TV by use of the eigenpolarization states," Optics Letters, vol. 18, No. 18 (1993), pp. 1567-2569.	
		Shannon, P.J., et. al., "Patterned Optical Properties in PhotoPolymerized Surface-Aligned Liquid-Crystal Films", Nature (1994), vol. 368, pp. 532-533.	
		Schmidt, Martin, et. al., "Photo-Generation of Linearly Polymerized Liquid Crystal Aligning Layers Comprising Novel, Integrated Optically Patterned Retarders and Color Filters," Jpn. J. Appl. Phys. (1995), vol. 34 pp. 3240-3249.	
		"Achromatic phase-shifters: 2. A quantized ferroelectric liquid-crystal system", P. Hariharan et al., 2319 Optics Communications 117 (1995) May 15, Nos. 1/2, Amsterdam, NL, pp. 13-15.	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Compl te if Kn wn			
		Applicati n Numb r	09/736,135		
		Filing Date	12/15/2000		
		First Named Inventor	Johnson		
		Art Unit	2851		
		Examiner Name	Dowling		
Sheet		of		Attorney Docket Number	95121961.114002

OTHER PRIOR ART–NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		"Achromatic retardation plates", Alan M. Title et al., SIPE vol. 307 Polarizers and Applications (1981), pp. 120-125.	
		"Improvement of Birefringent Filters. 2:Achromatic Waveplates", Alan M. Title, Jan. 1975/ vol. 14, No. 1/ Applied Optics, pp. 229-237.	
		Buhrer, Carl F., "Synthesis and tuning of high-order Solc-type birefringent filters," Applied Optics (Apr. 20, 1994) 33(12): 2249-2254.	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Exhibit D
Page 1

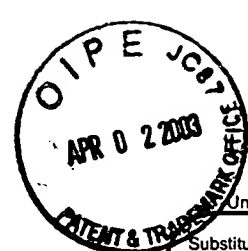


Exhibit D
Page 2

PTO/SB/08B (02-03)
Approved for use through 04/30/2003. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Completion if Known			
		Applicant Number	09736,135		
		Filing Date	12/15/2000		
		First Named Inventor	Johnson		
		Art Unit	2851		
		Examiner Name	Dowling		
Sheet		of		Attorney Docket Number	95121961.114002

OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Scheffer, T.J., "New Multicolor Liquid Crystal Displays That Use a Twisted Nematic Electro-Optical Cell," J. Appl. Phys. (1973) 44 (11) :4799-4803.	
		Carlsen, W. J. and Buhrer, C.F., "Flat Passband Birefringent Wavelength-Division Multiplexers," Electronics Letters (1987) 23 (3) :106-107.	
		Wright, H. et al., "Active Filters Enable Color Imaging," Laser Focus World (May 1996) 85-90.	
		Cambridge Research & Instrumentation, Inc., "Liquid Crystal Tunable Filter," Cambridge, MA 2 pages.	
		Displaytech, Inc. (Jan. 1996), "Switchable Color Filter", Boulder, CO, 4 pages.	
		Title, A.M. and Rosenberg, W.J., "Tunable Birefringent Filters," Opt. Eng. (1981) 20(6):815-823.	
		Solc, Ivan, "Birefringent Chain Filters," J. Opt. Soc. Am. (1965) 55(6):621-625.	
		Wu, Shin-Tson, "Birefringence dispersions of liquid crystals," Physical Review A, (1986) 33(2):1270-1274.	
		Harris, S.E. et al., "Optical Network Synthesis Using Birefringent Crystals," J. Opt. Soc. America (1964) 54(10):1267-1279.	
		Amman, E.O., "Optical Network Synthesis Using Birefringent Crystals, III. Some General Properties of Lossless Birefringent Networks", J. Opt. Soc. America (1966) 56(7):943-951.	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.
This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Ex t D
Page 3

Exhibit E
Page 1

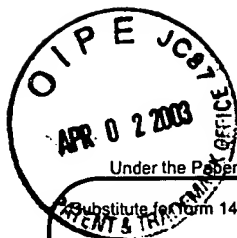


Exhibit E
Page 2

PTO/SB/08B (02-03)

Approved for use through 04/30/2003. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known			
		Applicant Number	09/736,135		
		Filing Date	12/15/2000		
		First Named Inventor	Johnson		
		Art Unit	2851		
		Examiner Name	Dowling		
Sheet		of		Attorney Docket Number	95121961.114002

OTHER PRIOR ART–NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Scheffer, T.J . . . , "New multicolor liquid crystal displays that use a twisted nematic electro-optical cell," J. Appl. Phys. (1973) 44(11):4799-4803 No Month.	
		Carlson W.J. and Buhner, C.F., "Flat Passband Birefringent Wavelength-Division Multiplexers," Electronics Letters (1987) 23(3):106-107 No Month.	
		Wright, H. et al., "Active filters enable color imaging," Laser Focus World (May 1996) 85-90. No Date.	
		Cambridge Research & Instrumentation, Inc., "Liquid Crystal Tunable Filter," Cambridge, MA, 2 pages .	
		Displaytech, Inc. (Jan. 1996), "Switchable Color Filter", Boulder, CO, 4 pages.	
		Kondo et al., "Ferroelectric Liquid Crystal Materials Applied to Guest-Host Type Displays," Ferroelectrics(1988)85:361-373 No Month.	
		Billings, B.H., "A Tunable Narrow-Band Optical Filter," J. Opt. Soc. America (1947)37:738-746. No Month.	
		Title, A.M. and Rosenberg, W.J., "Tunable birefringent filters," Opt. Eng. (1981) 20(6): 815-823. No Month.	
		Solc, Ivan, "Birefringent Chain Filters," J. Opt. Soc. Am. (1965) 55(6):621-625 No Month.	
		Wu, Shin-Tson, "Birefringence dispersions of liquid crystals," Physical Review A, (1986) 33(2):1270-1274 No Month.	

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

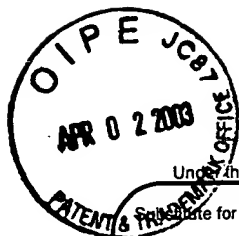


Exhibit E
Page 3

PTO/SB/08B (02-03)

Approved for use through 04/30/2003. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known			
		Applicati n Number	09/736,135		
		Filing Dat	12/15/2000		
		First Named Inventor	Johnson		
		Art Unit	2851		
		Examiner Name	Dowling		
Sheet		of		Attorney Docket Number	95121961.114002

OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Harris, S.E. et al., "Optical Network Synthesis Using Birefringent Crystals. I. Synthesis of Lossless Networks of Equal-Length Crystals," J. Opt. Soc. America (1964) 54(10):1267-1279 No Month.	
		Amman, E.O., "Optical Network Synthesis Using Birefringent Crystals. III. Some General Properties of Lossless Birefringent Networks", J. Opt. Soc. America (1966) 56(7):943-951.	
		Amman, E.O. and Yarborough, J.M., "Optical Network Synthesis Using Birefringent Crystals. V. Synthesis of Lossless Networks Containing Equal-Length Crystals and Compensators," J. Opt. Soc. America (1966) 56(12):1746-1754.	
		Sharp, G.D. et al., "P-60: Color Switching Using Ferroelectric Liquid Crystals," Society for Information Display, International Symposium, Digest of Technical Papers, vol. XXIV, Seattle, Washington, May 18-20, 1993.	

Examiner Signature	Date Considered
-----------------------	--------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Exhibit F
Page 2

Exhibit H
Page 1



Exhibit H
Page 2

PTO/SB/08B (02-03)
Approved for use through 04/30/2003. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Compleat if Known			
		Application Number	09/736,135		
		Filing Date	12/15/2000		
		First Named Inventor	Johnson		
		Art Unit	2851		
		Examiner Name	Dowling		
Sheet		of		Attorney Docket Number	95121961.114002

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Title, A.M., "Improvement of Birefringent Filters. 2: Achromatic Waveplates," Applied Optics (Jan. 1975) 14(1):229-237.	
		McIntyre, C.M. and Harris, S.E., "Achromatic Wave Plates for the Visible Spectrum," J. Opt. Soc. of America (Dec. 1968) 58(12): 1575-1580.	
		Koester, Charles J., "Achromatic Combinations of Half-Wave Plates," J. Opt. Soc. Of America (Apr. 1959) 49(4):405-409.	
		Pancharatnam, S., "Achromatic Combinations of Birefringent Plates," Indian Academy Science Proceed. (1955) 41:130-136.	
		Pancharatnam, S., "Achromatic Combinations of Birefringent Plates, Part II. An Achromatic Quarter-Wave Plate," Indian Academy Science Proceed. (1955) 41:137-144.	
		"Achromatic phase-shifters: 2. A quantized ferroelectric liquid-crystal system", P. Hariharan et al., 2319 Optics Communications 117 (1995) May 15, Nos. 1/2, Amsterdam, NL, pp. 13-15.	
		"Achromatic retardation plates", Alan M. Title et al., SIPE vol. 307 Polarizers and Applications (1981), pp. 120-125.	
		"Improvement of Birefringent Filters. 2:Achromatic Waveplates", Alan M. Title, Jan. 1975/vol. 14, No. 1/ Applied Optics, pp. 229-237.	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Exhibit G
Page 1

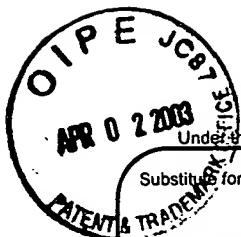


Exhibit G
Page 2

PTO/SB/08B (02-03)

Approved for use through 04/30/2003. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Compleat if Known			
		Application Number	09/736,135		
		Filing Date	12/15/2000		
		First Named Inventor	Johnson		
		Art Unit	2851		
		Examiner Name	Dowling		
Sheet		of		Attorney Docket Number	95121961.114002

OTHER PRIOR ART–NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Sharp, Gary Dean. "Chiral smectic liquid crystal tunable optical fibers and modulators", 1992.	
		Scheffer, T.J., "New multicolor liquid crystal displays that use a twisted nematic electro-optical cell, "J., Appl. Phys. (1973) 44(11):4799-4803.	
		Carlsen, W.J. and Buhrer, C.F., "Flat Passband Birefringent Wavelength-Division Multiplexers," Electronics Letters (1978) 23(3):106-107.	
		Wright, H., et al., "Active filters enable color imaging," Laser Focus World (May 1996) 85-90.	
		Cambridge Research & Instrumentation, Inc., "Liquid Crysatal Tunable Filter," Cambridge, MA 2 pages.	
		Displaytech, Inc. (Jan., 1996), "Switchable Color Filter", Boulder, CO, 4 pages.	
		Title, A.M. and Rosenberg, W.J., "Tunable birefringent filters, "Opt. Eng., (1981) 20(6):815-823.	
		Solc, Ivan, "Birefringent Chain Filters, "J. Opt. Soc. Am. (1965) 55(6):621-625.	
		Wu, Shin-Tson, "Birefringence dispersions of liquid crystals, "Physical Review A. (1986) 33(2):1270-1274.	
		Harris, S.E., et al., "Optical Network Synthesis Using Birefringent Crystals, I. Synthesis of Lossless Networks of Equal-Length Crystal, "J. Opt. Soc. America (1964) 54(10):1267-1279.	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

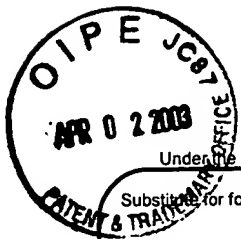


Exhibit G
Page 3

PTO/SB/08B (02-03)

Approved for use through 04/30/2003. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	09/736,135
Filing Date	12/15/2000
First Named Inventor	Johnson
Art Unit	2851
Examiner Name	Dowling
Attorney Docket Number	95121961.114002

Sheet

of

OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Amman, E.O., "Optical Network Synthesis Using Birefringent Crystals, III., Some General Properties of Lossless Birefringent Networks," J. Opt. Soc America (1966) 56(7):943-951.	
		Amman, E.O. and Yarborough, J.M., "Optical Network Synthesis Using Birefringent Crystals V. Synthesis of Lossless Networks Containing Equal-Length Crystals and Compensators," J. Opt. Soc America (1966) 56(12): 1746-1754.	
		Sharp, G.D., et al., "P-60: Color Switching Using Ferroelectric Liquid Crystals," Society for Information Display, International Symposium, Digest of Technical Papers, Vo., XXIV, Seattle, Washington, May 18-20, 1993.	
		Kondo, et al., "Ferroelectric Liquid Crystal Materials Applied to Guest-Host Type Displays," Ferroelectrics (1988) 85:361-373.	
		Billings, BH., "A Tunable Narrow-Band Optical Filter," J., Opt. Soc. America (1947) 37:738-746.	
		Buhrer, Carl F., "Synthesis and tuning of high-order birefringent filters," Applied Optics (Apr. 20, 1994) 33(12): 2249-2254.	
		Y. Wang; "Surface Plasmon Tunable Color Filter and Display Device;" Society for Informaion Display International Symposium Digest of Technical Papers; vol. 28, pp. 63-66, May 1997	
		F.H. Yu and H.S. Kwok; "A New Driving Scheme for Reflective Bistable Cholesteric LCDs;" 1997 Society for Information Display Information Symposium Digest of Technical Papers; p. 659, May, 1997.	

Examiner
Signature

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Exhibit G
Page 4